

### **Abstract of the Disclosure**

A drop test apparatus for determining the resiliency of playing surface comprising a missile for impacting the surface including a guide for providing substantially unrestricted free flight of the missile, a pair accelerometers carried by the missile for producing signals in response to impact with the surface, a converter adapted to receive the accelerometer signals, convert them into computer readable signals and a computer receiving the signals from the converter and producing a graph of the surface hardness.